PCT

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(54) Title: COMPUTER ASSISTED IDENTIFICATION OF FILAMENTOUS BACTERIA

(57) Abstract

Method and apparatus for identifying a filamentous organism of the type present in a biological waste water treatment process. A magnified image of an unstained filamentous organism is obtained (122, 124), and initially evaluated for the presence or absence of attached growth and the presence or absence of sulfur granules (142). A computer routine (140) resident in a computer workstation (104) is executed which, for each combination of the presence or absence of attached growth and the presence or absence of sulfur granules, provides a separate user interactive search tree (144, 146, 148, 150), each search tree leading to a different set of possible types of filamentous organism.